

Honeywell Docket No. 30-4907 DIV (4780)
Practitioner Docket No. 7210085001-3221000

IN THE CLAIMS

Claims 1-18: Canceled.

Claims 19-21: Canceled.

22. (Previously Presented) A low dielectric constant material, comprising:
- a first backbone having a first aromatic moiety comprising a phenyl and a first reactive group;
 - a second backbone having a second aromatic moiety comprising a phenyl and a second reactive group, wherein the first and second backbones are crosslinked without an exogenous crosslinker via the first and second reactive groups in a crosslinking reaction; and
 - a cage structure covalently bound to at least one of the first and second backbones, wherein the cage structure comprises at least 10 atoms, and wherein at least one of the first and second reactive groups is ethynyl.
23. (Previously Presented) The low dielectric constant material of claim 22 wherein the cage structure comprises at least one of an adamantane and a diamantane.
24. (Currently Amended) A layer comprising said low dielectric constant polymer material of claim ~~21~~ 22.
25. Canceled.
26. (Currently Amended) The layer material of claim 23 wherein said cage structure comprises substituted or unsubstituted adamantane or substituted or unsubstituted diamantane.
27. (Currently Amended) A film comprising said low dielectric constant polymer material of claim ~~24~~ 22.
28. (Previously Presented) The film of claim 27 wherein the thickness of the film is less than 100µm.

Honeywell Docket No. 30-4907 DIV (4780)
Practitioner Docket No. 7210085001-3221000

29. (Previously Presented) The film of claim 28 wherein the dielectric constant is less than 3.
30. Canceled.
31. (Previously Presented) The film of claim 27 wherein said cage structure comprises substituted or unsubstituted adamantane or substituted or unsubstituted diamantane.
32. (Currently Amended) An insulator comprising said low dielectric constant polymer material of claim 24 22.
33. Canceled.
34. (Previously Presented) The insulator of claim 32 wherein said cage structure comprises substituted or unsubstituted adamantane or substituted or unsubstituted diamantane.
35. (Currently Amended) An integrated circuit comprising the ~~layer~~ material of claim 26.
36. (Previously Presented) An integrated circuit comprising the film of claim 31.
37. (Previously Presented) An integrated circuit comprising the insulator of claim 34.

Honeywell Docket No. 30-4907 DIV (4780)
Practitioner Docket No. 7210085001-3221000

REQUEST FOR ALLOWANCE

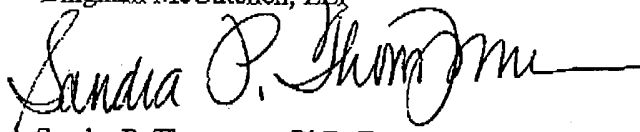
Claims 22-24, 26-29, 31, 32 and 34-37 are pending in this application, and claims 22, 23, 27-29, 31, 32, 34, 36 and 37 are considered allowable. The Applicant respectfully requests that the Examiner reconsider all of the claims in light of the arguments presented and allow all current and pending claims.

Respectfully submitted,

Bingham McCutchen, LLP

Dated: January 6, 2004

By:



Sandra P. Thompson, PhD, Esq.

Reg. No. 46,264

E-mail: sandra.thompson@bingham.com

Direct Line: 714-830-0622

ATTORNEYS FOR APPLICANT(S):

Plaza Tower
600 Anton Boulevard, 18th Floor
Costa Mesa, CA 92626
Tel: (714) 830-0622
Fax: (714) 830-0722